

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: rossi@VFL.Paramax.COM (Pete Rossi)
Subject: [4595] ** CORRECTION ** 80 METER QRP BEACON SCHEDULE
Message-ID: <9602230350.AA24077@gvlf6-a>

Change to 80 meter beacon power schedule..

I am going to run it on a 4 minute cycle ---- 2 minutes at 2 watts and then 2 minutes at 200 mW. This should provide more time to copy at the 200 mW level. It will be at 2 watts at :00, :04, :08 ... past the hour.

Everything else remains the same...

I am trying to determine how productive 200 mW will be with the 80 meter QRN and whether it will be worthwhile going to lower levels.

Good Luck.

Pete Rossi - WA3NNA
rossi@vfl.paramax.com

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: rossi@VFL.Paramax.COM (Pete Rossi)
Subject: [4594] 80 METER QRP TEST BEACON THIS WEEKEND ***
Message-ID: <9602230332.AA23997@gvlf6-a>

I am going to run a short QRP test beacon on 80 meters this coming weekend in preparation for a longer beacon run in March (tentatively March 9-10).

The beacon will be on 3557 from 9:00 PM to 11:00 PM EST Friday Feb 23 and again on Saturday Feb 24.

The beacon will alternate between 2 watts and 200 mW output on a 5 minute cycle; 1 minute @ 200 mW and then 4 minutes a 2 watts. The 200 mW level will be at :00, :05, :10 ... minutes past the hour.

The message

VVV VVV VVV xx MW <4_letter_code_word> DE WA3NNA/B QRP TEST

will be sent at aprox 13 WPM.

Antenna is an inverted vee @ 65' running east/west.

I plan to run a multi-power level beacon on 80, similar to the one recently run on 40 meters, over a full weekend in March, however, I want to gather some preliminary data to determine what power levels will be most effective.

I may alter the power of the beacon Saturday evening depending on the reports I receive from Friday evening. If a different power is used, it will be indicated in the message.

This is an informal test beacon. Sorry, no certificates this time, however I will respond to all QSL cards received with a special beacon QSL card.

Hope you can hear it.

73,

Pete Rossi - WA3NNA
rossi@vfl.paramax.com
Newtown Square PA

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: "Jim Kortge, NU8N" <jokortge@tir.com>
Subject: [4589] Cascade DX
Message-ID: <9602222346.AA22351@lisp.com>

Gang...worked the best DX that anybody could ask for tonight at 2330Z. Was listening to a number of guys in qso with VK5APZ, Peter in Austrailia. When they got done, I call him and he came back. Got a 3X5 report, with QRM from BC station, but he heard me, long path even. Gave him a 5X5. The 'ol Cascade came through again on SSB! What fun!

72...Jim

Jim Kortge, NU8N		BMHA, NorCal, QRP-L
jokortge@tir.com	__o	Cascade 17/40 SSB
Fenton, MI	_\'<,	Mizuho 17/40 SSB
.. .. .	(*)/(*)	

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: "Jim Kortge, NU8N" <jokortge@tir.com>
Subject: [4590] Cascade DX, Again
Message-ID: <9602230006.AA23656@lisp.com>

I keyed the call in incorrectly, it was VK6APZ.
Sorry for the extra bandwidth!! :-)

Gang...worked the best DX that anybody could ask for tonight
at 2330Z. Was listening to a number of guys in qso with
VK5APZ, Peter in Austrailia. When they got done, I call him
and he came back. Got a 3X5 report, with QRM from BC station,
but he heard me, long path even. Gave him a 5X5. The 'ol
Cascade came through again on SSB! What fun!

72...Jim

Jim Kortge, NU8N		BMHA, NorCal, QRP-L
jokortge@tir.com	_o	Cascade 17/40 SSB
Fenton, MI	_\'<	Mizuho 17/40 SSB
.	(*)/(*)	

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: birgym@inet.uni-c.dk
Subject: [4563] Easytrax HTTP address correction
Message-ID: <9602221903.AA0017@localhost>

The German ftp site I listed for downloading Easytrax had a spelling error...
You would think a Danish Pentium would spell German correctly! Here is
the correct address:

<ftp://ftp.uni-paderborn.de/simtel/msdos/cad>

Sorry for the confusion!

D.K. Philbin
OZ2DKP & KD6TK

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: weinfurtner@ouvaxa.cats.ohiou.edu (Greg Weinfurtner)
Subject: [4568] Electronic Component Database's
Message-ID: <v01510100ad51bee1d098@[132.235.72.11]>

Fellars,

In my search for databases on electronic components for my homepage

(<http://ouvaxa.cats.ohiou.edu/~weinfurtner>) I found two very, very good ones. I know that it will be very useful to us ham-type folk who have a tough time ID'ing parts. The one at Penn State seems to be under construction, although it looks pretty good. It even has visual identifiers for parts. It is at:

<http://zeus.cedcc.psu.edu/>

The Chip Directory is located at:

<http://www.hitex.com/chipdir/chipdir.html>

I'm adding new ones as I find them so be sure to check in to my homepage if you need component info ... especially if you have some new database adrs to send my way!!!!!!!!!!

72, 73 from the Big School on the banks of the Hocking River...

de NS80 (weinfurtner@ouvaxa.cats.ohiou.edu)

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: scott.thomas@circellar.com
Subject: [4566] For Sale/QRPP
Message-ID: <9602220807.0BF53000@circellar.com>

For Sale INDEX LABS QRP+ in like new condx. Serial #631. Less than a year old. Never modified. No known problems...works great. Will sell for \$515 including shipping.

In a correspondance from Jim Cates on 2/12, he mentioned that some folks have still not received the December issue of QRPP although they were mailed in early December. If you're still waiting for your copy, you may not be alone.

<

Scott,
NM1J

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: plquick@facstaff.wisc.edu (Paulette Quick, N9OUH)
Subject: [4561] FOUR DAYS IN MAY (c) REGISTRATION REPORT
Message-ID: <v02110100ad5153e92312@[144.92.104.160]>

The days are getting longer and that can only mean one thing!

FOUR DAYS IN MAY (c) WILL SOON BE HERE

This is who is registered so far (random order):

1. Preston Douglas, WJ2V \$30.00
2. Lowell Corbin, KD8FR \$60.00
3. Chuck Adams, K5FO \$30.00
4. Mike Kilgore (for G-QRP members G3RJV and G0BPS) \$60.00
5. Jim Stafford, W4QO \$30.00
6. Steve Karty, N4VHO
7. Daniel Puckett (no callsign) \$30.00
8. Roger Taylor (no callsign) \$30.00
9. Ted Albert, KF8EE \$30.00
10. Hugh Matheson (no callsign) \$30.00
11. Ken Evans, KJ4XR \$30.00
12. S&S Engineering--Richard Szakonyi, KA3ZOW and Kathy Szakonyi, N3SAP \$60.00
13. Bill Kelsey, N8ET for Kanga US \$30.00
14. David Meacham, W6EMD \$30.00
15. John Foote, KR4GL \$30.00

Then there are those who are sorta registered. Their checks are made out to "FDIM QRP" or somesuch. The checks are being returned to them. Please make checks out to "Paulette Quick."

1. William McFadden, WD8RIF
2. Bob Follett, WA7FCU
3. Michael Babineau, VE3WMB
4. Walter Windish, KB2JE
5. William Hansgen, AA8EB
6. Edward Manuel, N5EM
7. David Feldman, WB0GAZ
8. Tony Fishpool, G4WIF and Graham Firth, G3MFJ
9. Robert Nigren, WA3YON and David Nygren, KE3OA

Ok folks, that's it for now. For the rest of you: I understand procrastination. Sometimes I think that's the "P" in "PQ." But now time

is gettin' short.

We were thinking of at least 50 people. I bet when everyone sends their check in there will be several more.

So send your checks (in U.S. dollars) to:

Paulette Quick, N90UH
P.O. Box 145
Madison WI 53701-0145

Please make the check out to --- Paulette Quick ---
Or else I get to send the check out to you.

I'm kind of tired, so if there are any mistakes to these lists--fire away!

Until the next report,
72 de N90UH
Paulette Quick
plquick@facstaff.wisc.edu

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: "Bob White" <Bob_White@CCMAIL.aerosys.loral.com>
Subject: [4581] Fox Hunt Results - W03B Fox
Message-ID: <9601228250.AA825022278@CCMAIL.AEROSYS.LORAL.COM>

Well I sure wish I had been able to stay with my original times! It was like someone pulled a big switch on the hunt when 11:00 EST rolled around. I called CQ for a solid hour with only one QRO station coming back to me.

Here are the results for the first hour of the hunt.

7110khz segment.

KE4HNS 449 KY First FOX!
WA9PWP 449 WI

7040khz segment

W5HNS 449 TX
KC9RH 229 WI First FOX!
AA4YZ 229 OH
N6ULU 339 CA

KK6MC	229	CA	
N8VAR	449	OH	
K6VNX	229	CA	
NN9K	229	IL	
AB6DG	339	CA	
AK5B	449	TX	
N6ZH	449	CA	
KK5RO	229	OK	
K5UP	220	OK	
KS4XS	339	KY	
AB5UA	339	OK	
NQ7X	219	AZ	WORKED VERY HARD FOR THIS ONE
VE3DNL	219	ONT	WAS THERE ONE MIN AND GONE THE NEXT

Here are my results from the last hour of the hunt

K6UNO 449 IL QRO

Total 8 States and 2 Countries

I guess I got the opening to the west coast I was hoping for!

Thanks to all and see you again next year!

72,
Bob White W03B

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: dx@sun.tir.com (Tim English)
Subject: [4565] FS: Gel Cells and nicad batteries UPDATE
Message-ID: <312c6243.2842203@news.tir.com>

PLEASE NOTE the addition of the 6 volt nicads

12 volt gel cell batteries that have been removed from burglar alarm systems and replaced with new ones. These batteries are like new and have all been checked under a 2 amp load for 2 minutes.

I currently have on hand:

0	---	12 volt 7ah gel cells	\$12ea	6" x 2.5" x 3.75"
1	---	12 volt 6.5ah gel cell	\$12ea	6" x 2.5" x 3.75"

1 --- 12 volt 6ah gel cells \$10ea 6" x 2.5" x 3.75"
2 --- 12 volt 4ah gel cell \$7ea 4" x 2.5" x 3.75"
1 --- 12 volt 4ah gel cell \$7ea 6" x 2.5" x 3.75"
1 --- 12 volt 2.3ah gel cell \$6ea
1 --- 12 volt 2.5ah nicad pack \$6ea (Gates)
1 --- 6 volt 2.5ah nicad pack \$5ea (Gates)
16 --- 6 volt 500ma nicad pack \$3ea (minimum order of 2)

The 6v 500ma packs are configured in a square stacked pack, NOT flat.
They have spade terminals on each end of the pack.

All are guaranteed to be good and up to full charge on delivery.
All prices DO NOT include shipping charges.
When responding, include your zip code and I can tell you what
shipping charges will be.
Email me if interested.
Thanks and 73...

--
Tim

Amateur Radio: WB8OGM
Internet Email: dx@sun.tir.com
Packet Radio: WB8OGM@AA8GL.#nemi.mi.usa.noam

"Sometimes imagination is better than knowledge"

From qrp-l@lehigh.edu Thu Feb 22 22:31:52 1996
From: PGSPersEng@aol.com
Subject: [4578] FT-990 Mod Successful -- got a VK6
Message-ID: <960222122716_329818116@emout04.mail.aol.com>

Well, I'm not the handiest fellow with my hands (ask my wife!), so I feel great having made the FFT-990 mod. It took me a while to get up my courage to try and parallel an axial resistor around a surface-mount device without messing up the rig, but I took the plunge and it works great -- by adding a 220 ohm resistor, the power drops down to about 3W (I'll know better exactly how low once I get my WM-1 built this weekend).

What saved me literally hours of pouring over the schematics to find the right chip resistor was Yaesu Technical Bulletin TB-9501 (dated 11 Jan 1995), which includes a very rough diagram of where the resistor is on the RF Unit. If you plan on doing the mod -- and if I can, anybody can -- be sure to call tech support at 301-404-2700 and ask them to fax it to you.

Well, it was time to see how well I could get out on my "new" QRP rig.

Started answering QRZs and CQs, and after about 15 min finally got my first response -- VK6KKK (!). I was working 40m, the QSO was at 08:30Z (so I'm a night owl). Heard more than a few VKs and ZLs working the whole east coast.

Excuse me for taking up some bandwidth, but I'm just a happy camper right now.

Paul, AA1MI

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: Bruce Robertson <brucerob@epas.utoronto.ca>
Subject: [4562] Good receivers and how to spot them
Message-ID: <Pine.SGI.3.91.960222012424.7173C-100000@epas.utoronto.ca>

On Wed, 21 Feb 1996 BRUCE3900@delphi.com wrote:

> MXM Industries manufactures one of the most advanced QRP transceiver
> kits available today. Notwithstanding the claims of the other guys,
> just ask -- is their receiver a DOUBLE CONVERSION receiver? Is their
> crystal filter a four pole design (yes, there are some of those out
> there). And, can they copy a signal of 0.01 microvolts?
>

I think it's great that Bruce is putting together this group buy and I'm sure that the kit is superb, but I'm a bit worried by the paragraph above. It applies several criteria for receiver performance analysis that I had thought were not significant and it implies that other kits do a less than sufficient job at basic performance.

Specifically, performance is not directly related to the number of times a superhet converts its signal. Look, eg., at the fine job the R1 board does with only one conversion, period! Secondly, sensitivity beyond a certain point is of little use. More importantly, if a rig on the hf bands is too sensitive, it is probably losing some of its dynamic range at the upper levels. A more valuable indicator of what we think sensitivity indicates would be a two-tone IMD value, or 3rd order intercept.

As for the other kits, I have built a wonderful little 40-40, listened to a NorCal 40a and looked at schematics of everything that comes my way. It seems to me that we are very lucky to be served by such clever designers. There's not much more performance to be squeaked out of these rigs within the basic limitations of their design (i.e. NE602 vs. diode ring).

Again, I want to say that I love what Bruce is up to. I would have let

this go if it didn't seem that the posting would be repeated. A final note: I need to learn much more of the basics of receiver testing; if I've broadcast any misconceptions in this note, I hope the more practiced in our group will pipe up and teach us all.

72, VE3UWL

Bruce G. Robertson Dept. of Classics, U. of T.

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: Brad Mugleston <bmug@gw1.com>
Subject: [4593] Icom 745
Message-ID: <199602230150.AA13835@gp_zeus.gw1.com>

Gang,

Someone in this group wrote to me re a IC745, its battery backup and a replacement board for the backup. Well I deleted it and cant find the print out. Could the person who wrote me about this contact me directly?

Thanks alot for the time.

Brad - KB0ROL

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: Mike.Czuhajewski@bbs.abs.net (Mike Czuhajewski)
Subject: [4591] No QRP Quarterly???
Message-ID: <1996Feb22.193150.28120@abs.net>

Someone recently mentioned that they had only received one copy of the QRP Quarterly after they signed up. I see postings like this several times a year, and the answer is always the same: if you are having trouble with your QRP Quarterly subscription, write to Mike Bryce, WB8VGE, the Keeper of Lists. He is the correct person to complain to, and the only one who can straighten things out. If anyone is not getting their copies, let him know immediately...do NOT wait until two years after your subscription expires and then complain about it--and I have had people complain to me that late! Do not wait until your subscription has expired and you only received one or no issues--tell WB8VGE about it as soon as you suspect there is a problem. If an issue

is not delivered by the USPS--you know, the folks who keep charging more and more money for the privilege of mangling our mail--we have no way of knowing about it until someone tells us. If you complain early enough, there is a much better chance that you can get replacement issues. We do not print hundreds and hundreds of extra copies. Those that are left are used for publicity purposes or sold at hamfests, etc, and do not last forever.

73 and Queue Our Pea DE WA8MCQ wa8mcq@bbs.abs.net

--

Mike Czuhajewski, user of the UniBoard System @ abs.net

E-Mail: Mike.Czuhajewski@bbs.abs.net

The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA

Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-l@lehigh.edu Thu Feb 22 22:31:52 1996

From: Bob Hightower <ki7mn@MycroNet.com>

Subject: [4572] OHR Classic drifting?

Message-ID: <199602221619.JAA20263@mycro1.mycronet.com>

While in a short distance QSO with another qrp station last night, I suddenly lost him, and he lost me...indicates that the problem seemed to be on my end. I tuned up about 2 Khz and there he was, but signing off. Seems that lately my OHR Classis drifts after a few minutes of transmitting...anyone else have this problem? Would sealing the coils with Q-dope help?

Thanks,

73, Bob KI7MN

QRP-L 271, ARCI 8918, NorCal 1228

From qrp-l@lehigh.edu Thu Feb 22 22:31:52 1996

From: nwqrp@scn.org (SCN User)

Subject: [4575] QRPer on Shortwave Broadcast!

Message-ID: <199602221650.IAA06357@scn.org>

QRP-L Gang,

I was doing some SWLing and stumbled upon Radio Havana. There was a DX program so I continued to listen. The host talked about

hamming and gave an email address. I wrote in a signal report via email and this is what I recieved:

-- begin forwarded message --

"Date: Wed, 21 Feb 96 05:38:36 EST 0"

"From: acoro@tinored.cu (Arnaldo Coro,C02KK Radioaficionado)"

"Subject: RE: Thank you !"

"To: nwqrp@scn.org"

" "

" "

"> "

"> "

"> DX unlimited"

"> "

"> Nice program. This is the first time I listened. I usually"

"> listen to Radio For Peace International, byt my friend"

"> told me to tune in."

"> "

"> SIGNAL REPORT: 6000 KHz 0140 2/21/96 4-7 QRM"

"> 9830 KHz 0145 2/21/96 5-7 NO QRM (SSB)"

"> 9820 KHz 0150 2/21/96 5-9 NO QRM"

"> "

"> times in UTC"

"OK, NICE REPORT. THE 9820 KHZ IS THE ANTENNA BEAMED TO THE"

"GREAT LAKES REGION, 9830 IS BEAMED 0 DEGREES AND 6000 KHZ"

"IS FOR THE EAST COAST AT 010 DEGREES."

"FOR YOUR AREA AT 0500 WE CHANGE ANTENNA TO AZIMUTH 315 "

"DEGREES FROM HAVANA ON 9820 KHZ, UP TO 0700 UTC"

"SO FROM 0500 TO 0700 UTC TRY LISTENING TO 9820 KHZ,"

"IT SHOULD BE MUCH BETTER !!!"

"9820 KHZ RUNS 100 KW TO A CURTAIN ARRAY AT ABOUT 15 DB GAIN,"

"ITS A 2 BY 4 CURTAIN RESONANT AT 9,9 MHZ , BUT SO BROADBAND"

"THAT IT WORKS FROM 7 TO 12 MEGAHERTZ !!!> "

"> LOCATION: Seattle WA"

"> RADIO: Index Labs QRP Plus"

"> Antenna: 80 meter 1/2 wave dipole, bent to fit small lot. 10m up."

"> "

"> CALLSIGN: KV9X"

"> OK, BRIAN, TNX FOR NICE REPORT. LOOK FOR YOU ON THE AIR, AT PRESENT"

"I AM EXPERIMENTING WITH LOW POWER RTTY ON 20 METERS, AND ITS AMAZING"

"HOW PEOPLE COPY THE RTTY WHILE I RUN HERE 5 WATTS !!!"

"OF COURSE THAT THE 500 HZ FILTERS USED FOR RECEIVING RTTY DO HELP,"

"BUT THIS IS ANOTHER EXAMPLE OF WHAT CAN BE DONE WITH LOW POWER."

" "

"> "

"> I look forward to hearing your next program."

"> "

"> --Brian High"

```

"> 352 N. 101st"
"> Seattle, WA"
"> 98133"
"> U.S.A."
"> "
"> "
"WILL SEND QSL CARD TO YOUR ADDRESS, AND KEEP UP THE GOOD WORK ON"
"QRP."
"HERE IS A LITTLE TIP FROM OLD ARNIE'S BAF OF TRICKS.."
"THE IONOSPHERE'S ABSORTION GOES TROUGH A MINIMUM FOR A FEW"
"MINUTES JUST BEFORE SUNRISE YOUR LOCAL TIME, AND IT HAPPENS"
"AGAIN AT SUNSET. THE ENHANCEMENT CAN BE 20 DB OR MORE,"
"SOMETHING THAT PEOPLE WITH HIGH POWER WONT NOTICE, AS THEIR"
"RADIO'S AGC CIRCUITS WILL PROBABLY BE WORKING AT FULL"
"STEAM BRAKING THE MANY MICROVOLTS THAT ARE REACHING THIER"
"ANTENNAS. BUT QRP OPERATORS CAN LEARN TO USE THAT LITTLE"
"WINDOW VERY WELL !!!> --"
"> i NorthWest QRP Club
"> -=[scn]=--
"> )|( nwqrp@scn.org
"> /_|\_ http://www.scn.org/IP/nwqrp/nwqrp.html
"> SEE YOU SOON MI AMIGO, AND PLEASE ANSWER THIS AND TELL ME HOW"
"MUCH POWER YOU ARE RUNNING. MAYBE WE CAN MAKE A SKED !"
"73S AND GOOD QRP DX"
"ARNIE CORO"
"CO2KK"
"HOST OF DXERS UNLIMITED"
" "
" "

```

```

-----
--0---/\--
/^\/ ^\
--NW QRP--

```

-- end of forwarded message --

So, I will write to him again and try to set up a sked. I will also tell him about this list. Who knows? He may want to be a DX fox next year!

--Brian, KV9X

--

```

i NorthWest QRP Club
-= [scn] =-
)|( nwqrp@scn.org
/_|\_ http://www.scn.org/IP/nwqrp/nwqrp.html

```

```

-----
--0---/\--
/^\/ ^\
--NW QRP--

```

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
 From: lhalliday@creo.bc.ca
 Subject: [4586] Re[2]: Good receivers and how to spot them

Message-ID: <9601228250.AA825025113@mail.creo.bc.ca>

There are different ways of achieving high receiver performance, and MXM's dual-conversion receivers certainly have the potential for high performance - i.e., low distortion, high dynamic range, and good selectivity. None of this is inherent in their dual-conversion design; only careful design of the individual stages will provide performance.

How is the dynamic range of these radios? The quoted sensitivity figures make me nervous...

With modern mixers, it is now routine for the filters that follow the mixer to limit dynamic range. The approach of following the first mixer with a strong amplifier (2N3866, MAV-11, etc.) is a good one, but, again, it moves the performance bottleneck from the mixer to the filter. I'm still impressed with KK7B's LC audio filters, whose shape factors are comparable to umpteen pole crystal filters, and whose potential dynamic range exceeds 150 dB (180 dB for the inductors, ??? for the capacitors). Best of all, you can make them yourself with off-the-shelf parts.

Other than Rohde's writings on communications receivers (QST, Ham Radio, various books), another interesting study was the RX84 articles in RadComm a while ago. The author achieved excellent dynamic range from his power MOSFET mixer (3rd order intercept > +40 dBm), but once teamed up with a filter, the intercept was "only" +30 dBm.

For HF radios, the standard test of sensitivity is if noise coming out of the speaker increases when you hook up an antenna...

Laura Halliday VE7LDH	"C'est une femme mutine, assez
lhalliday@creo.bc.ca	elegante, grave et legere, ayant le
ve7ldh@amsat.org	sens du confort et du plaisir
Locator: CN89mg	en tout." - C. Deneuve

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
Subject: [4582] Re[2]: TEN-TEC SERVICE
Message-ID: <9601228250.AA825018913@smtpgw.ccgate.dl.nec.com>

Perhaps if those folks had taken a lesson in human relations and management from itty bitty TenTec, they might all be with us today.

Thanks TenTec and a big 72,

Rick Robinson kf4ar
rerobins@uncc.edu

proud owner of Argosy 525 SN: 137

Rick and Gang:

It is exactly for this and other similar reasons that I will be purchasing a TenTec product, as soon as the budget will allow. Nothing against the "BIG THREE", but to me these folks really seem to have their heads and hearts working to make the customer #1.

72 de Dave KK5HA

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: SYDV00A@prodigy.com (MR FLOYD E SMITHBERG)
Subject: [4573] Solder Sucker
Message-ID: <013.01817539.SYDV00A@prodigy.com>

Radio Shack's 64-2060 "one handed desoldering tool", normally sold for \$8.99 is on sale for \$4.99. For anyone that occaisionally has to remove/replace components on PCBs, this little tool almost makes it fun. It cleans out the hole so well the part almost drops out. I sure wouldn't be without mine...Try it, you'll like it.
Floyd NQ7X

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: Scott Cranston <cranston@zk3.dec.com>
Subject: [4585] Visually find QRP signals
Message-ID: <9602222057.AA24192@falalpha.zk3.dec.com>

Article 14090 of rec.radio.amateur.homebrew:
Path: nntpd.lkg.dec.com!depot.mro.dec.com!news.jrd.dec.com!tbjnws.tbj.dec.com!tkonws.tko.dec.com!news.dec-j!spin-hsd0-tky!spinnews!wnoc-tyo-news!news.join.ad.jp!newsserver.jvnc.net!news.Edu.TW!news.sprintlink.net!news1.cris.com!news
From: mwcook@cris.com (Mike Cook - AF9Y)
Newsgroups: rec.radio.amateur.misc,rec.radio.amateur.homebrew
Subject: See Weak Signals with your PC & Soundcard
From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: Phillip Cuchetti <ab082@traverse.lib.mi.us>
Subject: [4564] what fun!

Message-ID: <Pine.ULT.3.90.960222054948.1695A-100000@traverse.lib.mi.us>

I made my first few contacts with my w1fb/8p6eu rig. What a ton of fun. Great reports and exciting operation. I feel like a kid again making my first qso's. Great rig at a great price, my tnx to Doug for a great design. 72 ya'll see ya on the air waves.....Phil KD8UX/qrp

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: rac@usa.net
Subject: [4592] Which Antenna
Message-ID: <199602230147.SAA11331@mail.usa.net>

<---- Begin Included Message ---->

>bands 80-10m. I'm thinking about a G5RV or Windom. I'd like to get

<---- End Included Message ---->

In my opinion a coax fed Windom style would be the better choice. I use both a Garant and Antennas West version with very good results on almost all bands (including WARC) without a tuner. The Garant only needs a tuner on 40 meters. The Antennas West needs a tuner on 30 and one other band (can't remember offhand which). Even on the bands where a tuner is required, the SWR is reasonable (4 or 5 to 1 or so) so feedline loss is low on all bands.

-73- -Lee WA3FIY-

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: Ken_KD1XS@prodigy.com (KEN HANKS)
Subject: [4576] Which Antennas
Message-ID: <013.01819231.KZBQ03A@prodigy.com>

Are you sure you really want to open this can of worms? The Windom and G5RV antenna work, but depend on loss in the coax to aid in matching. OK if you have 1KW, not OK if you are running QRP. If you are interested in a wire antenna, consider a dipole and long and as high as you can get it. Feed it with 450 ohm window (or ladder) line to a good quality tuner. The window line can tolerate a high SWR

with out substantial loss. Just my 2 cents.

Ken Hanks KD1XS

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: JessQRP@aol.com
Subject: [4584] Re: GAP verticals ????
Message-ID: <960222135414_228657931@emout05.mail.aol.com>

Hi

I have the Titan and am pleased with it's performance on all bands. Yes it is true that it does cover all of the bandwidth on all of the bands except 80 meters. There is a capapcitor installed in the top of the antenna that selects which portion of the band that you want to work on 80 meters. There is a 3.5 cap for the bottom, a 3.6 cap, a 3.8 cap and a 3.9 cap. The antenna covers about 100 khz of the band. I have the 3.5 cap installed in mine as I mainly work CW. It allows me to tune from 3.5 to about 3.6 with a 2:1 SWR bandwidth. I operate almost exclusively QRP and during the last DX contest did fairly well. I ran a R 7 by Cushcraft for 3 years and the Gap is quieter on receive and seems equal to or superior. I know for a fact that the Gap is 2-3 s units quieter on 40, and is heard well. Japan with 1-5 watts from near Denver can be done any morning of the week.

Hope that helps.
Jess

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: N5EM@aol.com
Subject: [4570] Re: Good receivers and how to spot them
Message-ID: <960222094800_329695015@emout06.mail.aol.com>

In a message dated 96-02-22 01:47:43 EST, you write:

>Again, I want to say that I love what Bruce is up to. I would have let
>this go if it didn't seem that the posting would be repeated. A final
>note: I need to learn much more of the basics of receiver testing; if
>I've broadcast any misconceptions in this note, I hope the more practiced
>in our group will pipe up and teach us all.

>

>72, VE3UWL

>

> Bruce G. Robertson Dept. of Classics, U. of T.

>

>

Bruce,

I agree with you. The generalization that double conversion is better than single conversion is certainly suspect. A double conversion receiver "can" be better than a single conversion receiver and a triple conversion (or quad-conversion - IC-751A) receiver "can" be better than a double conversion scheme but it ALL DEPENDS on the implementation and frequencies chosen. In fact, if one goes back to the 80's and the works of Sabin, DeMaw and Hayward (to name a few notable designers), their preference for high-performance receivers was the single conversion scheme working into high dynamic range sub-sections. Today, we have excellent multi-conversion rigs but the single conversion rig still offers equal or better performance in many cases.

As to the number of poles of crystal filtering, the generalization that more is better is true, provided the design is well executed. In this respect, I continue to be impressed with the Sierra, with its four pole pre-IF filter and its two pole post-IF filter. If more is better, then six is the best I have found in a kit today. For ultimate simplicity, the two pole filter is OK but seems that most of the kits today have four pole filters. This is true of the NC40, GM-xx and NW8020. Others will have to comment on the OHR rigs.

Please do not interpret this to be a negative comment on the MXM designs. I would love to read an in-depth review of the double conversion MXM rig that compares its selectivity, sensitivity and dynamic range to other available kit rigs on the market today. As they say, just the facts, m'aam.

72 from warm, sunny Houston
Ed Manuel, N5EM
n5em@aol.com

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: Johnson_Dan@AAC.COM
Subject: [4596] Re: QRP mod for ICOM 745???
Message-ID: <9602230654.22763.ab@SMROUTER.AAC.COM>

On 2/20/96 2:00 AM Dennis/NT0L <dedinger@ix.netcom.com> wrote:

> I have a neat ICOM 745 but I can only tune down to 10w. I'm told the mod is
> simple and easy, but I can't find a reference. Any ideas?

In your IC-745 manual you should find an "Inside Views" page. On the Main Unit, near the rear of the rig, you will find:

S1 (100W/50W Switch)
R117 (TX 100W Adjust)
R116 (TX 50W Adjust)
R113 (TX 10W Adjust)

R117 and R116 adjust the high power end depending on S1. R113 adjusts the low end, I believe regardless of S1. So, to crank 'er down lower than 10W, adjust R113. I've got mine set to S1=100W, R113=2W at the lower level, and I remember increasing R117 to get the upper level back near 100W.

I *thought* a year or two ago that QRP was "just another mode", that I'd dabble in it as yet another radio curiosity. To my surprise, I have rarely run over 5W and find myself almost compulsively unable to do so, even with DX and when band conditions are bad. Is this what "they" mean by "catching the bug"? Is it terminal? Anyone ever "recovered" from this condition?

Philosophically, I am not of the purist school, that is, I have no problem thinking about running more power when it's necessary. Practically, I have sometimes let contacts slip away if 5W is less than the necessary power. What is wrong with me? Make it stop.

72 de KC4EWT
Johnson_Dan@aac.com

From qrp-l@lehigh.edu Thu Feb 22 22:31:52 1996
From: Ken Newman N2CQ <103464.1355@compuserve.com>
Subject: [4577] Re: QRP-L Reader S/W
Message-ID: <960222170942_103464.1355_IHI76-3@CompuServe.COM>

Thanks for those who sent the info on a file reader you recommended. I'll look for it.

I am using the WINCIM (Compuserve Information Manager for Windows) program that came with the Compuserve startup package. It's ok but most QRP-L Digest files are too large to accept and it makes a file for a larger editor that takes it (like MSDOS Editor). The editor isn't too bad but thought there may be something out there that is a bit easier. The QRP-L is really a lot more reading than I expected! Thanks also for the tip from Bob Gobrlick to get on the QRP-L subscription. It is really fun to read and have info as well. I get the urge to build a rig but so far I have told myself I wouldn't complete it and put it on the air (:->) .

Maybe later for one of the 40-40 kits. (Aren't those simple?)

```
*****
Ken - N2CQ      QRP-L #399      ARCI # 7975
*****
```

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: Allen Jones <ajones@adsnet.com>
Subject: [4583] Re: QRPper on Shortwave Broadcast!
Message-ID: <199602221837.MAA06131@alice.adsnet.com>

At 11:49 AM 2/22/96 EST, you wrote:

```
>
>So, I will write to him again and try to set up a sked. I will
>also tell him about this list. Who knows? He may want to
>be a DX fox next year!
>
>--Brian, KV9X
>
```

Brian . . . Arnie is very well known VHF operator and can often be heard on 6M when Es propagation is good.

```
72/3 de Allen, K9DZE
=====
Allen Jones K9DZE ajones@adsnet.com
Michigan City, Indiana EN61nq
ARCI G-QRP NorCal QRP-L #112
=====
```

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: W3HMS@aol.com
Subject: [4588] Re: QRPp "your patience requested"
Message-ID: <960222180407_150984027@mail04.mail.aol.com>

There is a terrific old US Navy adage.....praise in public and criticize in private!

73,

John

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: Richard E Robinson <rerobins@uncc.edu>
Subject: [4574] Re: TEN-TEC SERVICE
Message-ID: <Pine.SOL.3.91.960222111751.12676A-100000@unccsun>

On Wed, 21 Feb 1996, Rick Williams wrote:

.... snip snip ...
< This is an old story, but Ten-Tec has amazed me again.>
.... snip snip ...

Back in 1973 I traded my Hammarlund HX-50 transmitter for a used Argonaut at Freck Radio in Asheville, NC. The rig worked great for about a year and started jumping frequency. I called TenTec and sent it back for repair. A week later it came back fixed at no charge. Well, it worked for about a week and started doing it again. I called TenTec to see if there was anything I could do and they said send it back. Exactly 7 days later, a package from TenTec arrives UPS. I open the box and instead of my old Argonaut, there is a brand new Argonaut, late model 505 wrapped in plastic with warranty cards. I got on the phone to explain that there was some mixup, all the time imagining the look on some poor ham's face expecting a new Argonaut and getting my old used one. I was told there was no mixup, my Argonaut had a design flaw in the PTO and they were replacing it with a new one at no charge. Needless to say, I'm a *big* TenTec fan. I drove over the mountain from Boone, NC, where I was living and bought a 405 amplifier to match it, and they treated me like I might have been bringing them a big defense contract, tour of the plant and all. Absolutely wonderful folks over there, just about all hams.

If they are not in the QRP Hall of Fame, they should be for sticking by what has to be a small market for all these years. Their fellow US ham manufacturers in 1974 included Hallicrafters, National, Hammarlund, Swan and SBE to name a few. Perhaps if those folks had taken a lesson in human relations and management from itty bitty TenTec, they might all be with us today.

Thanks TenTec and a big 72,

Rick Robinson kf4ar

proud owner of Argosy 525 SN: 137

rerobins@uncc.edu

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: cummings.jim@ic.gc.ca (Cummings, Jim: DGRB)
Subject: [4567] RE: Which Antenna
Message-ID: <1996Feb22.083500.1255.459699@mspost.ic.gc.ca>

From: JFelts
Subject: Which Antenna
From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [4569] RE: Which Antenna
Message-ID: <Pine.SOL.3.91.960222092005.17989A-100000@utkux4.utcc.utk.edu>

Windom vs. G5RV vs. center-fed dipole.

If one has 135' or so, then perhaps the dipole cut for 80 and fed with parallel feeders and an ATU (balanced, if possible) is best for ease of tuning. A Windom cut for 80 is by theory good for even harmonics without an ATU, and a lot of commercial Windoms give a bit (or occasionally a lot) of SWR trouble if not way up and in the clear--where the factors are like they were when the manufacturer designed it. If they are not, then an ATU is needed anyway.

If one has only 105' of clear, then the G5RV with parallel feeders and an ATU is good for all bands, with slightly different performance patterns due to the length change. It may be better than a 40-meter Windom or a 40-meter dipole center fed. But remember, the G5RV is only notable because by using the 102' top and 34' parallel feeder, it presented a reasonably low SWR on some bands before WARC, if the surrounding trees did not object. With parallel feeders all the way, it is simply a 105' dipole. With an ATU, exact length is not critical, so use 90 to 110', if that is what you have in the clear.

For multiband wire antennas, higher and clearer are important factors we should not forget in the process of remembering the names of antennas.

Two rolls of RS #14 stranded and a length of 450-ohm parallel feeder to the ATU (with 3 insulators--center and 2 ends), with some end ropes make a cheap and effective all-band antenna--not perfect for every aspect of hamming, but very very cost-effective.

-73-

LB, W4RNL

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: "Norman E. Fink" <norm@uu1238.flowerslabs.com>
Subject: [4571] Re: Which Antenna
Message-ID: <9602221531.AA07442@flowerslabs.com>

The pros and cons of a windom, a G5RV or a center-fed dipole:

The G5RV is at best a compromise antenna. It's inherent design will give you low SWR on a couple of bands without a tuner. To use it for an all-bander, however, you'll have to use a tuner.

A windom will function fairly well on even harmonic bands without the use of a tuner. To be able to use it on 80 through 10 you will need to use a tuner. At times, though, even with a tuner you may experience matching problems and high SWR.

For best overall band coverage, You'd be better off getting as much wire into the air as possible in the form of a dipole or inverted vee, and feeding it with ladderline through a tuner.

Assuming you want to operate on 80 through 10, if all you have is 105 feet of space, put up that much wire. If you have more space, use 135 feet of wire in the antenna. If you only have 90 feet of space put up that much wire. In all these cases, an antenna tuner will enable you to tune the antenna for use on the various bands and will make it possible for you to tweak the antenna match over each entire band.

Norm, K2NF

From qrp-1@lehigh.edu Thu Feb 22 22:31:52 1996
From: Steve Thompson <kj7dn@primenet.com>
Subject: [4587] Re: Which Antennas
Message-ID: <Pine.BSD.3.91.960222144017.24668B-100000@usr5.primenet.com>

On Thu, 22 Feb 1996, KEN HANKS wrote:

> Are you sure you really want to open this can of worms? The Windom

> and G5RV antenna work, but depend on loss in the coax to aid in
> matching. OK if you have 1KW, not OK if you are running QRP. If you

My G5RV works WONDERFUL on QRP ... 2 watts have worked over 3,000 miles
in the last month or so. Dont' be too quick to discount the G5RV's
performance at the QRP levels.

73,

Steve

```
+-----+
| Steve C. Thompson - KJ7DN/AE  ____/____ E-mail kj7dn@primenet.com |
| Manager of Info. Technology  ____/____      steve@cpginc.com   |
| Continental Promotion Group  ____/H____ |
| Tempe, AZ, USA                H      Proud builder of the OHR  |
|                                H      WM-1 and Explorer II 40M   |
|                                H      |
| 602.731.3535                  H      QRP-L #259  scQRPions #1  |
|                                H      NWQRP #387  NorCal #1516  |
|                                |
+-----+
```